

Fig. 1

Figure 2.

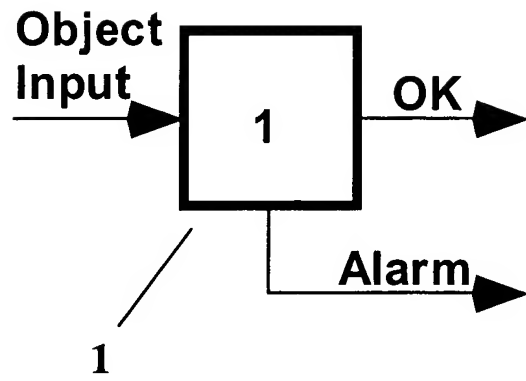
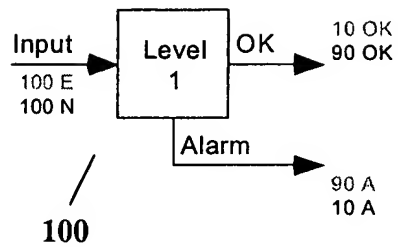


Figure 3

		Explosive Detector Output	
		OK	Alarm
Object Input	No Explosive	1-PFA	PFA
	With Explosive	1-PD	PD



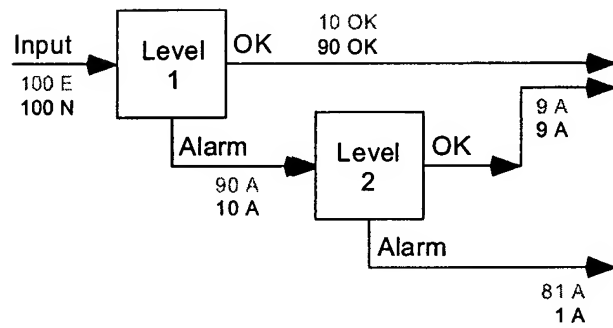
Input	Type	Output OK	Output Alarms
100	Explosive	10	90
100	Non-Explosive	90	10

(Assuming system has PD= 90% and PFA = 10%)

Figure 4

Figure 5

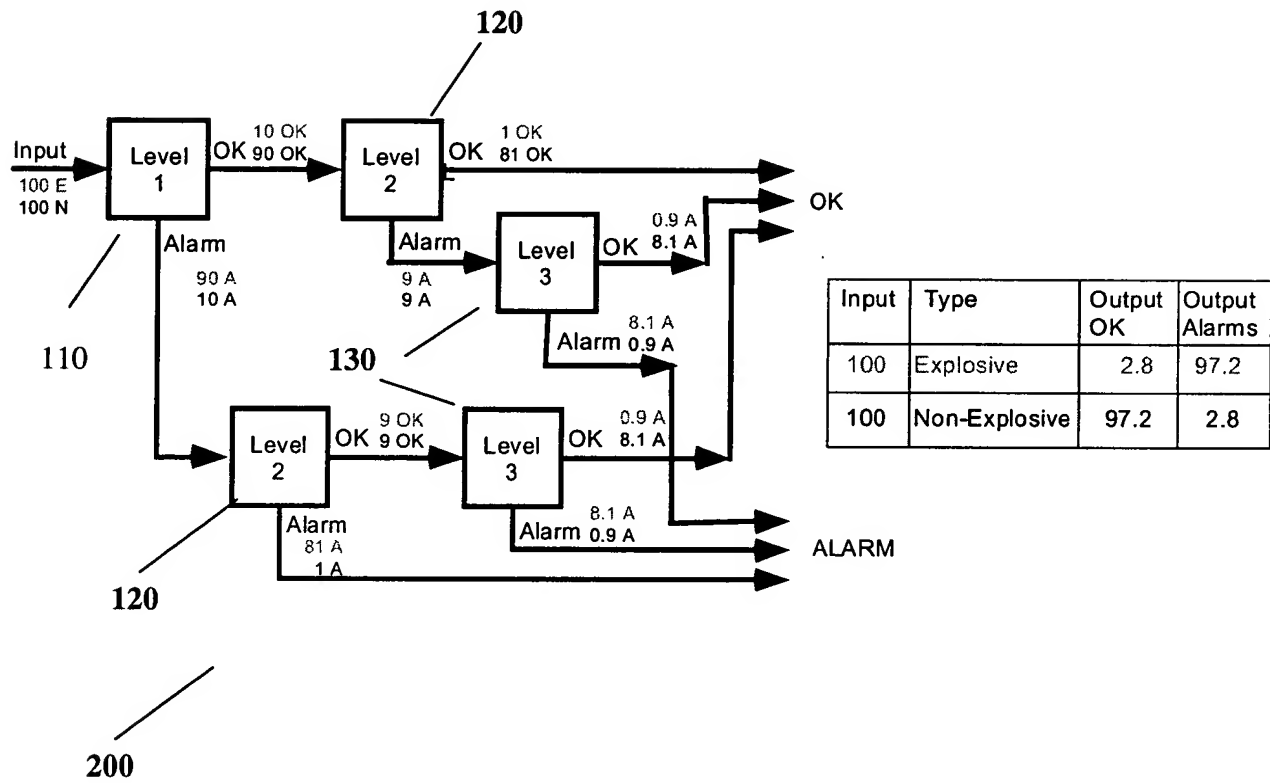
Level 2 Alarm Mitigation System. (Assuming all sub-systems have PD= 90% and PFA = 10%)



Input	Type	Output OK	Output Alarms
100	Explosive	19	81
100	Non-Explosive	99	1

Figure 6

Majority System strategy. (Assuming all sub-systems have PD= 90% and PFA = 10%)



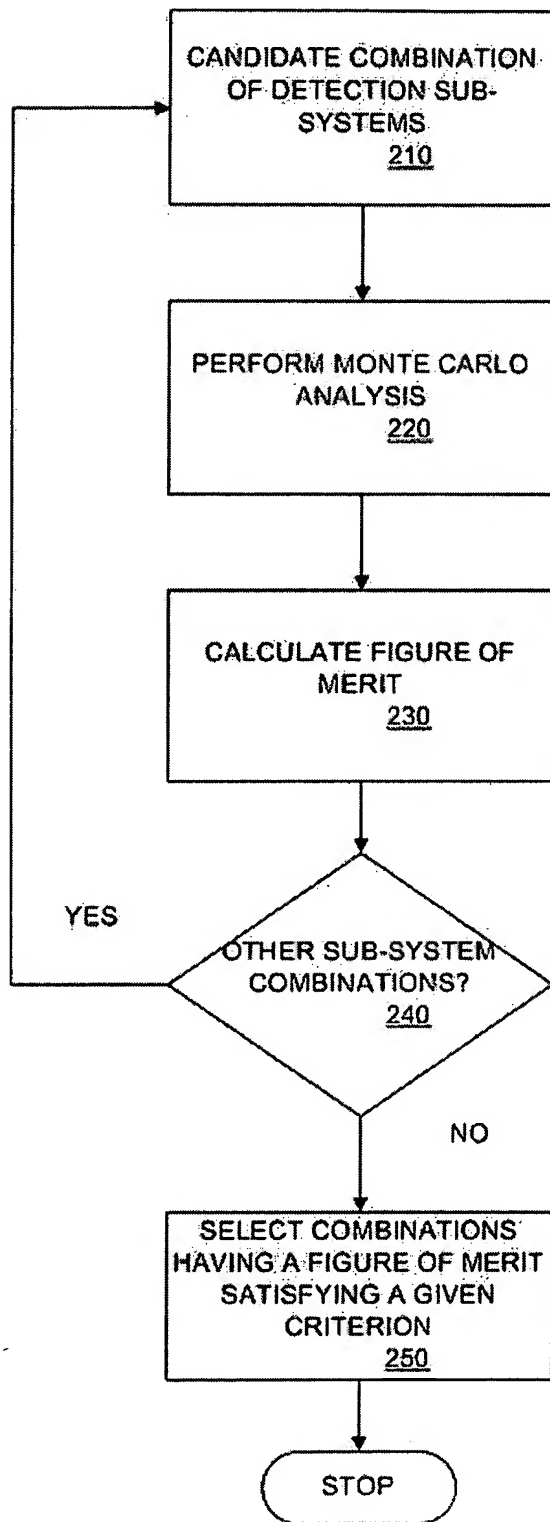


FIG. 7